Serial No. 10/575,790 Case No. 21419YP

Page 2

#### **AMENDMENTS TO THE CLAIMS:**

The listing of the claims which follows replaces any and all prior versions and/or listings of the claims in the application.

1. (Currently amended) A compound represented by Formula A:

$$\begin{array}{c|c}
R^{5} \\
V - X \\
V - V
\end{array}$$

$$\begin{array}{c|c}
R^{2} R^{1} \\
V - V
\end{array}$$

$$\begin{array}{c|c}
R^{6} & V - V
\end{array}$$

$$\begin{array}{c|c}
R^{2} R^{1} \\
V - V
\end{array}$$

A

or a pharmaceutically acceptable salt thereof, wherein:

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are each independently selected from the group consisting of: –H, -F, -Cl, -Br, -I, -CN, -OH, C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl, C<sub>2</sub>-6alkynyl and C<sub>1</sub>-5alkoxy,

wherein said C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl, C<sub>2</sub>-6alkynyl and C<sub>1</sub>-5alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -OH, C<sub>1</sub>-8alkoxy and -CO<sub>2</sub>H,

and any two of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> may be joined together with the atoms to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms optionally containing 1 or 2 oxygen atoms;

R<sup>5</sup> is selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN, -OH, C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy,

wherein said C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -OH and C<sub>1</sub>-8alkoxy;

R<sup>6</sup> is selected from the group consisting of: phenyl, <u>and</u> pyridinyl, <u>pyrimidinyl, pyrazinyl</u>, <u>pyridizinyl and thienyl</u>, each optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -CN, -OH, -NR<sup>7</sup>R<sup>8</sup>, -NO<sub>2</sub>, phenyl, thienyl, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl, C<sub>1</sub>-4alkoxy, C<sub>3</sub>-6cycloalkoxy, C<sub>1</sub>-4alkylthio and C<sub>2</sub>-4acyloxy,

wherein said phenyl, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl, C<sub>1</sub>-4alkoxy, C<sub>3</sub>-6cycloalkoxy, C<sub>1</sub>-4alkylthio and C<sub>1</sub>-4acyloxy are each optionally substituted from one up to

the maximum number of substitutable positions with a substituent independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1-8</sub>alkoxy<del>, and</del>

R6 may be substituted on two adjacent atoms to form a fused partially aromatic bicyclic ring of 9 to 12 atoms optionally containing one or two oxygen or sulfur groups, or both, and optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -CN, -OH, and C<sub>1</sub>-4alkyl;

R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of: -H, C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl and C<sub>2</sub>-6alkynyl, wherein said C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl and C<sub>2</sub>-6alkynyl are each optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, optionally containing 1 or 2 oxygen atoms, said ring is optionally substituted with one to three substituents independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1-5</sub>alkoxy;

U, V and W are each independently selected from the group consisting of: -C(R<sup>9</sup>)- and N-;

each R<sup>9</sup> is independently selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN, -OH, C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy,

wherein said C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -OH and C<sub>1</sub>-8alkoxy;

For U or V, R<sup>9</sup> and R<sup>1</sup> or R<sup>9</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form a 4 to 8 5 membered ring, optionally containing 1 or 2 oxygen, sulfur or N(R<sup>10</sup>) atoms, thus forming a fused partially aromatic bicyclic ring system of 8 to 12 9 atoms with the 6-membered aromatic ring to which R<sup>9</sup> is attached;

X, Y and Z are independently selected from  $C(R^{11})^-$ , -O-,  $-N^-$ ,  $-N(R^{12})$ - and -S- such that the resulting ring together with Q and T form an aromatic heterocycle;

R<sup>10</sup>, R<sup>11</sup> and R<sup>12</sup> are each indepedently is selected from the group consisting of: -H, C<sub>1</sub> 6alkyl, C<sub>2</sub> 6alkenyl and C<sub>2</sub> 6alkynyl, wherein said C<sub>1</sub> 6alkyl, C<sub>2</sub> 6alkenyl and C<sub>2</sub> 6alkynyl are each optionally substituted with one to three substituents independently selected from the group consisting of: F, Cl, -Br, -I, -OH and C<sub>1</sub> 5alkoxy;

J is selected from the group consisting of: -CO<sub>2</sub>H, <del>PO<sub>3</sub>H<sub>2</sub>, PO<sub>2</sub>H<sub>2</sub>, SO<sub>3</sub>H, CONHSO<sub>2</sub>R<sup>13</sup>, PO<sub>2</sub>H<sub>3</sub>)OH,</del>

Serial No. 10/575,790 Case No. 21419YP Page 5

R<sup>13</sup> is selected from the group consisting of: C<sub>1</sub>-C<sub>4</sub> alkyl, phenyl, -CH<sub>2</sub>OH and CH(OH)-phenyl; and

each R<sup>14</sup> is independently selected from the group consisting of: -H and -CH<sub>3</sub>.

2. (Currently amended) A compound in accordance with Claim 1 represented by Formula I

I

or a pharmaceutically acceptable salt thereof, wherein:

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are each independently selected from the group consisting of: –H, -F, -Cl, -Br, -I, -CN, -OH, C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl, C<sub>2</sub>-6alkynyl and C<sub>1</sub>-5alkoxy,

wherein said C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl, C<sub>2</sub>-6alkynyl and C<sub>1</sub>-5alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -OH, C<sub>1</sub>-8alkoxy and -CO<sub>2</sub>H,

and any two of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> may be joined together with the atoms to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms optionally containing 1 or 2 oxygen atoms;

R<sup>5</sup> is selected from the group consisting of: -F, -Cl, -Br, -I, -CN, -OH, C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy,

wherein said C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -OH and C<sub>1</sub>-8alkoxy;

R<sup>6</sup> is selected from the group consisting of: phenyl, <u>and pyridinyl, pyrazinyl, pyridizinyl and thienyl,</u> each optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -CN, -OH, -NR<sup>7</sup>R<sup>8</sup>, -NO<sub>2</sub>, phenyl, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl, C<sub>1</sub>-4alkoxy, C<sub>3</sub>-6cycloalkoxy, C<sub>1</sub>-4alkylthio and C<sub>2</sub>-4acyloxy,

wherein said phenyl, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl, C<sub>1</sub>-4alkoxy,

C3-6cycloalkoxy, C1-4alkylthio and C1-4acyloxy are each optionally substituted from one up to the maximum number of substitutable positions with a substituent independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C1-8alkoxy, and

R6 may be substituted on two adjacent atoms to form a fused partially aromatic bicyclic ring of 9 to 12 atoms optionally containing one or two oxygen or sulfur groups, or both, and optionally substituted with one to three substituents independently selected from the group consisting of:
-F, -Cl, -Br, -I, -CN, -OH, and C<sub>1</sub>\_4alkyl;

R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of: -H, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl, wherein said C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -OH and C<sub>1-5</sub>alkoxy, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, optionally containing 1 or 2 oxygen atoms, said ring is optionally substituted with one to three substituents independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy;

U, V and W are each independently selected from the group consisting of:  $-C(R^9)$ - and -N-;

each R<sup>9</sup> is independently selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN, -OH, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl and C<sub>1-4</sub>alkoxy,

wherein said C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of:

-F, -Cl, -Br, -I, -OH and C<sub>1</sub>-8alkoxy;

For U or V, R<sup>9</sup> and R<sup>1</sup> or R<sup>9</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form a 4 to 8 5 membered ring, optionally containing 1 or 2 oxygen, sulfur or N(R<sup>10</sup>) atoms, thus forming a fused partially aromatic bicyclic ring system of 8 to 12 9 atoms with the 6-membered aromatic ring to which R<sup>9</sup> is attached; and

X, Y and Z are independently selected from  $C(R^{11})=$ ,  $-O_-$ , -N=,  $-N(R^{12})-$  and  $-S_-$  such that the resulting ring together with Q and T form an aromatic heterocycle;

Serial No. 10/575,790 Case No. 21419YP

the ring 
$$\sqrt{Q-Z}$$
  $T-\frac{5}{15}$   $\sqrt{Q-N}$ ; and

R<sup>10</sup>, R<sup>11</sup> and R<sup>12</sup> are each indepedently <u>is</u> selected from the group consisting of: -H, C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl and C<sub>2</sub>-6alkynyl, wherein said C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl and C<sub>2</sub>-6alkynyl are each optionally substituted with one to three substituents independently selected from the group consisting of: F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy.

- 3. (Original) A compound according to Claim 2 wherein R<sup>5</sup> is methyl.
- 4. (Original) A compound according to Claim 2 wherein R<sup>6</sup> is selected from the group consisting of : phenyl and pyridinyl, each optionally substituted with one to three substituents independently selected from the group consisting of: F, -Cl, -Br, -I, -CN, -OH, -NR<sup>7</sup>R<sup>8</sup>, -NO<sub>2</sub>, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl, C<sub>1</sub>-4alkoxy, C<sub>1</sub>-4alkylthio, C<sub>3</sub>-6cycloalkoxy and C<sub>1</sub>-4acyloxy,

wherein said C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl, C<sub>1</sub>-4alkoxy, C<sub>1</sub>-4alkylthio, C<sub>3</sub>-6cycloalkoxy and C<sub>1</sub>-4acyloxy are each optionally substituted from one up to the maximum number of substitutable positions with a substituent independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1</sub>-8alkoxy; and

R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of: -H, C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl and C<sub>2</sub>-6alkynyl, wherein said C<sub>1</sub>-6alkyl, C<sub>2</sub>-6alkenyl and C<sub>2</sub>-6alkynyl are each optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, optionally containing 1 or 2 oxygen atoms, said ring is optionally substituted with one to three substituents independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy.

- 5. (Original) A compound according to Claim 2 wherein V and W are –CH-.
- 6. (Currently amended) A compound according to Claim 2 of Formula Ia

$$R^{b}$$
 $R^{a}$ 
 $R^{a}$ 

or a pharmaceutically acceptable salt thereof, wherein:

 $R^1$  and  $R^2$  are independently selected from the group consisting of: -H, -OH and methyl or  $R^1$  and  $R^2$  may be joined together with the atoms to which they are attached to form cyclopropyl;

U and V are each independently selected from the group consisting of: -C(R<sup>9</sup>)- and N-;

each R<sup>9</sup> is independently selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN, -OH, C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy, wherein said C<sub>1</sub>-4alkyl, C<sub>2</sub>-4alkenyl, C<sub>2</sub>-4alkynyl and C<sub>1</sub>-4alkoxy are each optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -OH and C<sub>1</sub>-8alkoxy, and

For U or V, R<sup>9</sup> and R<sup>1</sup> or R<sup>9</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form a 5 membered ring, thus forming a fused partially aromatic bicyclic ring system of 9 atoms with the 6-membered aromatic ring to which R<sup>9</sup> is attached;

A is selected from the group consisting of: -N- and  $-C(R^{13})$ -, wherein  $R^{13}$  is selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN,  $-CH_3$ ,  $-OCH_3$ ,  $-CF_3$ , ethynyl,  $-NO_2$  and  $-NH_2$ ;

Ra is selected from the group consisting of: NR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkoxy, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkylthio and C<sub>1</sub>-4acyloxy, wherein said C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkylthio and C<sub>1</sub>-4acyloxy are each optionally substituted from one up to the maximum number of substitutable positions with a substituent independently selected from the group consisting of: –F, -Cl, -Br, -I and -OH;

 $R^7$  and  $R^8$  are independently selected from the group consisting of: -H and  $C_{1\text{-}6}$ alkyl, optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -OH and  $C_{1\text{-}5}$ alkoxy, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, optionally containing 1 or 2 oxygen atoms, said ring is optionally substituted with one to three substituents independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy; and

Rb is selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN, -CH3, -OCH3, -CF3, ethynyl, -NO2 and -NH2.

### 7. (Original) A compound according to Claim 2 of Formula Ib

$$R^{a}$$
 $R^{a}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{b}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{b$ 

or a pharmaceutically acceptable salt thereof, wherein:

R<sup>1</sup> is selected from the group consisting of: -H, -OH and methyl;

A is selected from the group consisting of: -N- and  $-C(R^{13})$ -, wherein  $R^{13}$  is selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN,  $-CH_3$ ,  $-OCH_3$ ,  $-CF_3$ , ethynyl,  $-NO_2$  and  $-NH_2$ ;

Ra is selected from the group consisting of: NR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkoxy, C<sub>3</sub>-6cycloalkoxy, C<sub>1</sub>-4alkylthio and C<sub>1</sub>-4acyloxy, wherein said C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkylthio and C<sub>1</sub>-4acyloxy are each optionally substituted from one up to the maximum number of substitutable positions with a substituent independently selected from the group consisting of: –F, -Cl, -Br, -I and -OH;

R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of: -H and C<sub>1-6</sub>alkyl, optionally substituted with one to three substituents independently selected from the group consisting of: -F, -Cl, -Br, -I, -OH and C<sub>1-5</sub>alkoxy, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, optionally containing 1 or 2 oxygen atoms, said ring is optionally substituted with one to three substituents independently selected from the group consisting of: –F, -Cl, -Br, -I, -OH and C<sub>1</sub>-5alkoxy; and

Rb is selected from the group consisting of: -H, -F, -Cl, -Br, -I, -CN, -CH3, -OCH3, -CF3, ethynyl, -NO2 and -NH2.

# 8 - 9. (Canceled)

10. (Currently amended) A compound according to Claim 2 selected from the following table:

$$R^{b}$$
 $R^{a}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{a}$ 
 $R^{a}$ 

Ie

Ex.	Ra	Rb	A	U	R2	R1
1	i-PrO-	-CN	-CH=	=CH-	Н	Н
2	i-PrO-	C1-	-CH=	=CH-	Н	Н
3	i-PrO-	Br-	-CH=	=CH-	Н	Н
4	i-PrO-	MeO-	-CH=	=CH-	Н	Н
5	i-PrO-	Me-	-CH=	=CH-	Н	Н
6	i-PrO-	F-	-CH=	=CH-	Н	Н
8	i-PrO-	-CF3	-CH=	=CH-	$R^2$ and $R^3$ $R^1$ joined to	
					form cyclopropyl	
9	i-PrO-	-CF3	-CH=	=CH-	Н	Me
10	i-PrO-	-CN	-CH=	=CH-	Н	Me
11	i-PrO-	-СН3	-CH=	=CH-	Н	Me
12	i-PrO-	-CF3	-CH=	=CH-	Me	Н
13	i-PrO-	-CN	-CH=	=CH-	Me	Н
14	i-PrO-	-СН3	-CH=	=CH-	Me	Н
15	i-PrO-	C1-	-N=	=CH-	Н	Н
16	i-Pr-NH-	Cl-	-N=	=CH-	Н	Н
17	2,2,2-trifluoro-1-	Cl-	-N=	=CH-	Н	Н
	methylethoxy					
18	pyrrolidinyl	Cl-	-N=	=CH-	Н	Н
19	morpholin-4-yl	Cl-	-N=	=CH-	Н	Н
20	i-Pr-N(Me)-	Cl-	-N=	=CH-	Н	Н
21	2,2,2-trifluoroethoxy	Cl-	-N=	=CH-	Me	Н

22	2,2,2-trifluoro-1- methylethoxy	C1-	-N=	=CH-	Me	Н
23	3,3-difluoro piperidinyl	C1-	-N=	=CH-	Me	Н
24	3,3,-difluoro pyrrolidinyl	C1-	-N=	=CH-	Me	Н
25	morpholin-4-yl	-CF3	-N=	=CH-	Me	Н
26	3,3,-difluoro pyrrolidinyl	C1-	-N=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
27	2,2,2-trifluoroethoxy	C1-	-N=	=СН-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
28	2,2,2-trifluoro-1- methylethoxy	Cl-	-N=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
29	1-Me-n-PrO-	Cl-	-N=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
39	i-PrO-	C1-	-N=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
31	i-Bu-	Cl-	-N=	=CH-	Н	Н
32	i-Pr-N(Me)-	I-	-N=	=CH-	Н	Н
33	i-Pr-N(Me)-	-CN	-N=	=CH-	Н	Н
34	3,3,-difluoro pyrrolidinyl	I	-N=	=CH-	Н	Н
35	3,3,-difluoro pyrrolidinyl	-CN	-N=	=CH-	Н	Н
36	i-PrO-	-CN	-СН=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
37	2,2,2-trifluoro-1- methylethoxy	-CN	-CH=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
38	i-PrO-	MeO-	-CH=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
39	2,2,2-trifluoroethoxy	-CN	-CH=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
40	2,2,2-trifluoro- 1-trifluoromethyl	-CN	-CH=	=СН-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	

	ethoxy					
43	1-Me-n-PrO-	-CN	-CH=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
44	2,2,2-trifluoro-1- methylethoxy	-CN	-N=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
45	i-PrO-	I	-N=	=CH-	R <sup>2</sup> and R <sup>3</sup> R <sup>1</sup> joined to form cyclopropyl	
48	Ethoxy	-CN	-N=	=CH-	Н	Н
49	2,2,2-trifluoro-1- methylethoxy	-CN	-N=	=CH-	Н	Н
50	2-Me- <i>n</i> -Pr-	-CN	-N=	=CH-	Н	Н
51	2-methyl-1,1- difluoro- <i>n</i> -propyl	Н	-CH=	=CH-	Н	Н
52	2,2,2-trifluoro-1- methylethoxy	I-	-N=	=CH-	Н	Н
53	Cyclopentyloxy	Cl-	-CH=	=CH-	Н	Н
54	2-Me- <i>n</i> -PrO-	Cl-	-CH=	=CH-	Н	Н
55	2,2,2-trifluoro-1- methylethoxy	-CN	-СН=	=CH-	Н	Н
56	2,2,2-trifluoro-1- methylethoxy	Cl-	-СН=	=CH-	Н	Н
57	i-PrO-	C1-	-C(C1)=	=CH-	Н	Н
58	cyclopropylmethoxy	Cl-	-CH=	=CH-	Н	Н
60	2,2,2-trifluoro-1- methylethoxy	-NO <sub>2</sub>	-CH=	=CH-	Н	Н
61	2,2,2-trifluoroethoxy	-CN	-CH=	=CH-	Н	Н
62	2,2,2-trifluoro- 1-trifluoromethyl ethoxy	-CN	-CH=	=CH-	Н	Н
63	1-Me- <i>n</i> -PrO-	-CN	-CH=	=CH-	Н	Н
65	2,2,2-trifluoro-1- methylethoxy	-NH2	-СН=	=CH-	Н	Н
66	1-Me- <i>n</i> -PrO-	-CN	-СН=	=CH-	Me	Н
67	2,2,2-trifluoro-	-CN	-СН=	=CH-	Me	Н

	1-trifluoromethyl ethoxy					
68	2,2,2-trifluoroethoxy	-CN	-CH=	=CH-	Me	Н
<del>69</del>	i-PrO-	-CN	- <del>CH</del> =	= <del>N-</del>	H	H
<del>70</del>	2,2,2-trifluoro-1- methylethoxy	- <del>CN</del>	- <u>N</u> =	= <del>N-</del>	H	H
71	2,2,2-trifluoroethoxy	-CN	- <del>CH=</del>	=N-	H	H
72	2,2,2-trifluoro- 1-trifluoromethyl ethoxy	-CN	- <del>CH</del> =	=N-	H	H
<del>73</del>	2,2,2-trifluoroethoxy	-CN	- <del>CH</del> =	= <del>N-</del>	Me	H
74	2,2,2-trifluoro-1- methylethoxy	- <del>CN</del>	-N=	= <del>N</del> -	Me	H
75	i-PrO-	-CF3	-CH=	=CH-	Н	Н
79	i-PrO-	-CN	-CH=	=CH-	ОН	ОН
80	i-PrO-	-CN	-CH=	=CH-	ОН	ОН

or a pharmaceutically acceptable salt of any of the compounds above.

11. (Currently amended) A compound according to Claim 2 selected from the following table:

or a pharmaceutically acceptable salt of any of the compounds above.

12. (Canceled)

13 - 17. (Canceled)

Page 19

18. (Original) A pharmaceutical composition comprised of a compound in accordance with Claim 1 in combination with a pharmaceutically acceptable carrier.

19 - 23. (Canceled)

24 - 25. (Canceled)

26. (Currently amended) A compound according to Claim 1 of Formula Ig:

$$\mathbf{Q} \cdot \mathbf{Z} \cdot \mathbf{T} - \mathbf{Q} \cdot \mathbf{Z} \cdot \mathbf{Q} \cdot \mathbf{Q} \cdot \mathbf{Z} \cdot \mathbf{Q} \cdot \mathbf{Z} \cdot \mathbf{Q} \cdot \mathbf{Z} \cdot \mathbf{Q} \cdot \mathbf{Z} \cdot \mathbf{Q} \cdot$$

or a pharmaceutically acceptable salt thereof, wherein:

**A** is selected from –N- or –CH-;

the group 's is selected from the group consisting of:

Serial No. 10/575,790 Case No. 21419YP Page 20

R<sup>1</sup> and R<sup>2</sup> are -H, or R<sup>1</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form cyclopropyl;

U and V are  $-C(R^9)$ -;

each R<sup>9</sup> is -H, or

For U or V, R<sup>9</sup> and R<sup>1</sup> or R<sup>9</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form a 5 membered ring, thus forming a fused partially aromatic bicyclic ring system of 9 atoms with the phenyl ring to which R<sup>9</sup> is attached;

Ra is selected from the group consisting of: thienyl, NR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkoxy and C<sub>3</sub>-6cycloalkoxy, wherein said C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkoxy and C<sub>3</sub>-6cycloalkoxy are each optionally substituted from one up to the maximum number of substitutable positions with fluoro;

R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of: -H and C<sub>1-6</sub>alkyl, optionally substituted with one to three flouro groups, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, said ring is optionally substituted with one to three fluoro groups.

27. (Currently amended) A compound according to Claim 26 selected from the group consisting of:

or a pharmaceutically acceptable salt of any of the above.

28. (Currently amended) A compound according to Claim 1 of Formula Ih:

$$R^{b}$$
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 
 $R^{b}$ 
 $R^{a}$ 

or a pharmaceutically acceptable salt thereof, wherein:

A is selected from –N- or –CH-;

R<sup>1</sup> and R<sup>2</sup> are -H, or R<sup>1</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form cyclopropyl;

 $R^5$  is -H or  $-CH_3$ ;

U and V are  $-C(R^9)$ -;

each R<sup>9</sup> is -H, or

For U or V, R<sup>9</sup> and R<sup>1</sup> or R<sup>9</sup> and R<sup>2</sup> may be joined together with the atoms to which they are attached to form a 5 membered ring, thus forming a fused partially aromatic bicyclic ring system of 9 atoms with the phenyl ring to which R<sup>9</sup> is attached;

Ra is selected from the group consisting of: -F, NR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkoxy and C<sub>3</sub>-6cycloalkoxy, wherein said C<sub>1</sub>-4alkyl, C<sub>3</sub>-6cycloalkyl, C<sub>1</sub>-4alkoxy and C<sub>3</sub>-6cycloalkoxy are each optionally substituted from one up to the maximum number of substitutable positions with fluoro;

 $R^7$  and  $R^8$  are independently selected from the group consisting of: -H and  $C_{1\text{-}6}$ alkyl, optionally substituted with one to three flouro groups, and

R<sup>7</sup> and R<sup>8</sup> may be joined together with the nitrogen atom to which they are attached to form a saturated monocyclic ring of 3 to 8 atoms, said ring is optionally substituted with one to three fluoro groups;

Rb is Cl or I;

J is selected from the group consisting of: -CO<sub>2</sub>H, <del>-PO<sub>3</sub>H<sub>2</sub>, -PO<sub>2</sub>H<sub>2</sub>, -SO<sub>3</sub>H, -CONHSO<sub>2</sub>R<sup>13</sup>, -PO<sub>2</sub>H<sub>3</sub>)OH,</del>

R<sup>13</sup> is selected from the group consisting of: C<sub>1</sub>-C<sub>4</sub> alkyl, phenyl, -CH<sub>2</sub>OH and CH(OH)-phenyl; and

each R<sup>14</sup> is independently selected from the group consisting of: -H and -CH<sub>3</sub>.

### 29. (Original) A compound according to Claim 28, wherein:

For U, R<sup>9</sup> and R<sup>1</sup> are joined together with the atoms to which they are attached to form a 5 membered ring, thus forming a fused partially aromatic bicyclic ring system of 9 atoms with the phenyl ring to which R<sup>9</sup> is attached;

R<sup>5</sup> is CH<sub>3</sub>;

## Rb is Cl; and

J is selected from the group consisting of: -CO<sub>2</sub>H,

$$N = NR^{14}$$
 $N = NR^{14}$ 
 $N = 0$ 
 $N = 0$ 

 $R_{14}$  , wherein each  $R^{14}$  is independently selected from the group consisting of: -H and -CH3.

30. (Currently amended) A compound according to Claim 28 selected from the group consisting of:

$$\begin{array}{c|c} & & & & \\ & &$$

or a pharmaceutically acceptable salt of any of the above.